

PROJECT TITLE : SAVOURY
PERIOD COVERED : MAY 15 - JULY 13, 1981
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The purpose of Project SAVOURY is to prepare flavours which, when pyrolyzed with sheet or tobacco, give Burley type flavour characteristics.

PRODUCTION OF FLAVOURS

Four samples of reaction flavours were produced under the following conditions :

Flavour code	C-38/2 (1)	C-39/1 (2)	P-16/1(3)*	P-17/1 (4)
Initial amino-acid composition	st.hydr. HCl 6N	st.hydr. HCl 6N	st.hydr. H ₃ PO ₄ 10N	st.hydr. H ₃ PO ₄ 10N
pH of reaction	7.0	7.0	6.5	6.6
Neutralizing agent	NH ₄ OH	NH ₄ OH	-	-
Sugar used	Xylose	Xylose	glucose	glucose
Total solid content %	55	55	60	60
Final pH	5.00	4.55	4.45	5.00
Temperature of reaction (°C)	110	90	90	110
Time of reaction (hr)	140	140	140	72
Ratio (aa/sugar)	1:1	1:2	1:1	1:1
Solvent	water	water	water	water

* Trial P-16/1 was carried out in order to reproduce flavour P 13/1 (5)

EVALUATION OF FLAVOURS

The flavours are currently evaluated for the following objectives :

1. LTR sprayed with flavour should give the same flavour characteristics as an Italian Burley treated in the Burley line.
2. Greek Burley tobacco, not treated in the Burley line, but sprayed with flavour should give the same flavour characteristics as a US Burley treated in the Burley line.

Flavours P-13/1, C-35/3, C-36/1 and C-37/3 were evaluated by the RME - Leaf Department.

P-13/1 came out positive, C-37/3 was still positive, but too harsh. The other two flavours were rejected as they gave an artificial taste.

REFERENCES

- 1) Ghiste-P., Notebook 79120 p. 14.
- 2) Ghiste-P., Notebook 79120 p. 17.
- 3) Ghiste-P., Notebook 79120 p. 23.
- 4) Ghiste-P., Notebook 79120 p. 24
- 5) Ghiste-P., Monthly Report, March 1981, p. 3.
- 6) Ghiste-P., Minutes of Meeting held on May 27, 1981.



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